

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001427

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/56, H04Q 11/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6567378 B1 (YUAN, R ET AL), 20 May 2003 (20.05.2003), figures 5A,5B, claims 1,6,8, abstract --	1-6,11-19, 24-27,32-37, 47
X	EP 1100285 A1 (ALCATEL), 16 May 2001 (16.05.2001), [0002], figures 4,7, claim 1, abstract --	1-6,11-19, 24-27,32-37, 47
A	WO 0193598 A2 (ASSA, E ET AL), 6 December 2001 (06.12.2001), page 3, line 7 - page 5, line 8, claims 1,2, abstract --	1-56

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 15 March 2004	Date of mailing of the international search report 16 -03- 2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Lisbeth Andersson /LR Telephone No. +46 8 782 25 00

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International application No.

PCT/SE 2003/001427**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Database WPI Week 200128 Derwent Publications Ltd, London, GB; Class H04L 12/28, AN 2001-27444 & JP 2001 057556 (NIPPON DENKI ENG KK), 27 February 2001 (2001-02-27) abstract --	1-56
A	Database WPI Week 200030 Derwent Publications Ltd, London, GB; Class H04L 12/28, AN 2001-153479 & JP 2000 013390 (NEC CORP), 14 January 2000 (2000-01-14) abstract -- -----	7-10, 20-23, 28-31, 37-56

INTERNATIONAL SEARCH REPORT

Information on patent family members

27/02/2004

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US	6567378	B1	20/05/2003	NONE			
EP	1100285	A1	16/05/2001	AT	256374	T	15/12/2003
				AU	6668300	A	17/05/2001
				CN	1305293	A	25/07/2001
				DE	69913535	D	00/00/0000
				JP	2001168885	A	22/06/2001
WO	0193598	A2	06/12/2001	AU	6420401	A	11/12/2001
				US	2002018474	A	14/02/2002